Sanga, Ravi

From: Hall, James C CIV <James.C.Hall2@uscg.mil>
Sent: Thursday, May 02, 2019 10:14 AM
To: Sanga, Ravi; Hoffman, Erika
Subject: RE: Pier 36 - Information for todays call

Hello Ravi and Erika

Based on our discussion yesterday I am providing this follow up email, the Contractors responses we will take the following actions:

Collect Hand Cores utilizing a Diver at:

- Berth 12 (what is described in the email below is what was conveyed previously, I am sorry about the confusion and glad Erika asked the question)
- Pier 13
- Pier 16
- Pier 18
- Pier 20

Composite samples will be analyzed for the 0-2 ft interval at:

- Pier 17
- Pier 19

For Berth 12 AECOM states there is currently a composite between 2 and 4 feet. I understand that this is not ideal, but with collecting a diver core we will (hopefully) have sample intervals for 0-1 and 1-2. They only attempted this core once, I am asking that they evaluate if there is an ability to obtain the 2-3 and 3-4 foot intervals, and they are discussing options with Global Marine (the diving sub).

Pier 20 location will have a hand core collected, they have attempted this location 3 times with no usable cores, per the email response yesterday (5/1/19)

Berth 7 has a core to 6 feet, which is acceptable. This was attempted 3 times in different locations.

Berth 10 will be stepped out to the west for a 4th attempt after the Polar Sea is moved on the 8th.

Please give me a call with any questions or concerns.

v/r
James
916-813-8160

From: Hall, James C CIV
Sent: Wednesday, May 1, 2019 11:38 AM
To: Sanga, Ravi <Sanga.Ravi@epa.gov>; 'Hoffman, Erika' <Hoffman.Erika@epa.gov>
Subject: Pier 36 - Information for todays call

Hello Ravi and Erika,
We have completed the sampling within the original scope along Pier 36B. During the current event we have collected 13 cores and 16 surface samples. Below is a summary of the results:

- 16 surface samples have no issues

- 5 cores have no issues
- 1 core was only viable to 6 feet, but is otherwise acceptable
- 7 cores have shallow recovery issues

1. Pier 20 we have not been able to obtain a viable core.

    - The best of three core recovery attempts at pier 20 location was ~60%. However this 60% was not consolidated/continuous in the core, and the contractor could not determine the depths that the material was collected from. Diver observations of this area are that there is a lot of wood debris present at this location, and all the core attempts contained large amounts of wood debris. This location is not viable to collect a deep core. A hand core collected by divers will be attempted, as deep as possible.

2. The Berth 7 core met refusal at a depth of ~6 feet. USCG are considers this to be an acceptable core as debris was present in all three attempts and we are unlikely to get a core to 10 feet with 100% recovery at this location. This exceeds the level of effort described in the SAP/QAPP. We would make further attempts, but the contractor does not think we are likely to get a better result.

    - Cores were attempted to be collected three times, exceeding the effort described in the QAPP, the locations of each attempt were moved in accordance with the QAPP and in each attempt debris or refusal was met.

3. In 7 locations (Pier 13, Pier 16, Pier 17, Pier 18, Berth 1, Pier 20 and Berth 12) the shallow sediment intervals (0-1 and 1-2) segments of the core had no recovery. This is due to the very soft nature of the sediment in this area. The cores all showed sheen present in the 2-3 ft core. Surface samples have been collected for all of these locations.

Currently the USCG is modifying the contract to allow the Contractor to attempt to recover the missing intervals using divers to collect a hand cores. We believe at this time that this will be possible, but there is a non-zero chance that the modification will not be processed before the icebreaker is relocated. If the modification is not processed prior to the relocation of the ice breaker an alternate entry point for the divers will be used, which may result in the core locations moving, depending on the position in relation to the ice breaker (divers are not allowed within 10 feet of the ice breaker). The USCG and EPA need to determine if the 3 composite samples will meet the data needs of the project. There is additional risk and cost associated with obtaining these diver cores.

I have attached a simplistic excel spread sheet to summarize the recovery and where sheen was observed. Please note that this is based on the daily summaries and may be slightly different in the final report, but it should help with this discussion. I did ask that the contractors field lead look at it, and he made a few clarification, but it has not been through the contractors QA/QC process, and I do not yet have the core logs or field notes. I have also included the contractors map to show where the shallow recovery issues are at. I look forward to talking with you at 12:00

Thank You,
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